

10/534358

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number
WO 2004/041773 A1

(51) International Patent Classification⁷: **C07C 211/42**

CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/IB2003/004998

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(22) International Filing Date:

3 November 2003 (03.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
628/CAL/2002 7 November 2002 (07.11.2002) IN

(71) Applicant and

(72) Inventor: NADKARNI, Sunil, Sadanand [IN/IN]; Torrent Pharmaceuticals Ltd., Torrent Research Centre, Dist: Gandhinagar, Gujarat 382 428 (IN).

(74) Agents: AHUJA, Sudhir, D. et al.; D.P. Ahuja & Co., 53, Syed Amir Ali Avenue,, Calcutta 700 019, West Bengal (IN).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/041773 A1

(54) Title: PROCESS FOR PREPARATION OF POLYMORPHIC FORM OF SERTRALINE HYDROCHLORIDE

(57) Abstract: The invention discloses a process for preparation of sertraline salts particularly sertraline hydrochloride Form V by dissolving or suspending sertraline mandelate in a solvent, reducing the pH of the solution or the suspension and isolating salt of sertraline. The invention also provides for a pharmaceutical composition comprising said sertraline salt as active ingredient.